

# OA-1.4H-4.7H/2597

## Dual Band Omni Antenna

### Key Features:

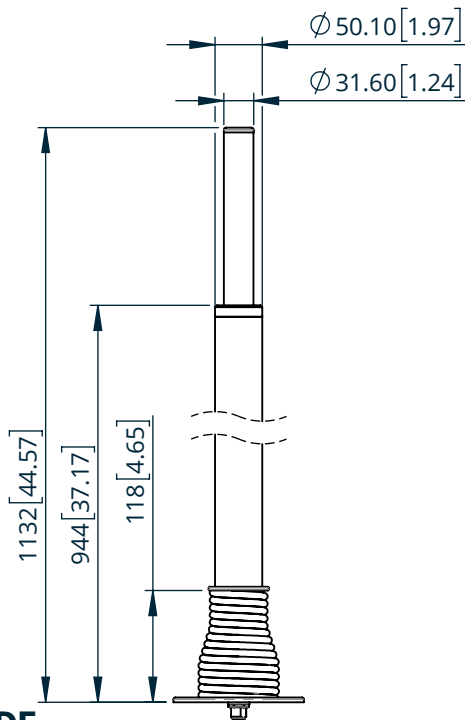
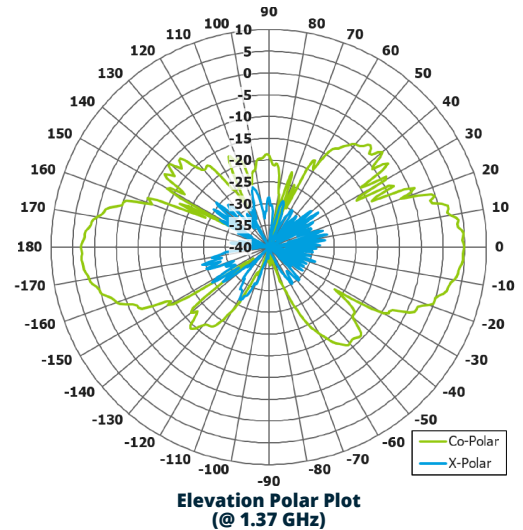
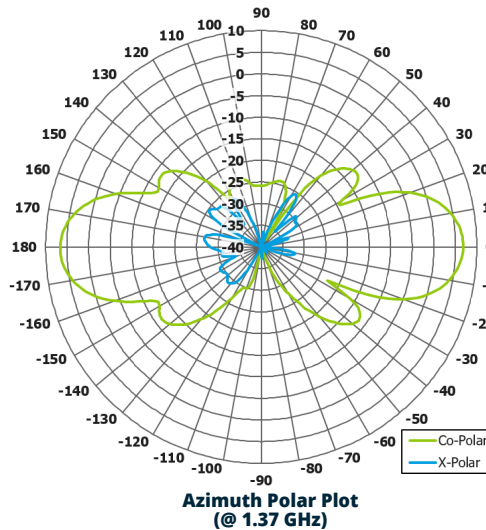
Designed for ground vehicle applications

Rugged design

Integral spring

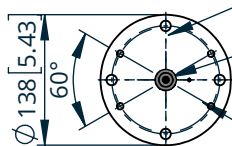
Standard US/NATO 4 & 6 hole pattern

Single connector



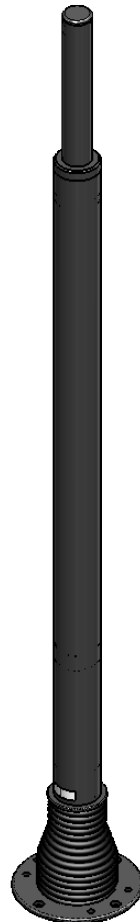
**SIDE VIEW**

MOUNTED VIA 4 OFF  
 $\varnothing 11[0.4]$  HOLES THRO'  
 EQUI. SP ON 114.3[4.5] PCD.



**BASE VIEW**

N(F) CONNECTOR  
 MOUNTED VIA 6 OFF  
 $\varnothing 7[0.3]$  HOLES THRO'  
 ON 111.1[4.4] PCD.



### ELECTRICAL

|                        |                  |                 |
|------------------------|------------------|-----------------|
| <b>Frequency:</b>      | 1.35 to 1.39 GHz | 4.4 to 5.0 GHz  |
| <b>Gain (Peak):</b>    | 6.7 dBi Typ.     | 5 dBi Typ.      |
| <b>Gain (Average):</b> | 5.5 dBi Typ.     | 3 dBi Typ.      |
| <b>Polarisation:</b>   | Horizontal       | Horizontal      |
| <b>Beamwidth:</b>      | 360° x 22° Typ.  | 360° x 25° Typ. |
| <b>Azimuth Ripple:</b> | ±1.3 dB Typ.     | ±1.75 dB Typ.   |
| <b>Cross Polar:</b>    | >30 dB Typ.      | >20 dB Typ.     |
| <b>VSWR:</b>           | 2:1 Max.         | 2:1 Max.        |
| <b>Power Rating:</b>   | 10 W             | 10 W            |

### MECHANICAL

|                         |                  |
|-------------------------|------------------|
| <b>Standard Finish:</b> | Black            |
| <b>Mass:</b>            | 2.3 Kg / 5.1 lbs |
| <b>Temperature:</b>     | -40 to +70°C     |

### MOUNTING OPTIONS

|                        |            |
|------------------------|------------|
| <b>Kits Available:</b> | Integrated |
|------------------------|------------|

Full radiation patterns and CAD available on request

DS: 2597-2

Issued: 050922

Dimensions: mm [inches]